

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

# LISTING SERVICE

**LISTING No.** 3225-1417:102 Page 1 of 1

**CATEGORY:** Fire Dampers

**LISTEE:** Lloyd Industries, Inc., 231 Commerce Dr., Montgomeryville, PA 18936  
Contact: William P. Lloyd (215) 412-4445 Fax (215) 412-4409\*

**DESIGN:** Models FD-111 and FSD-111 fire rated dampers. Units are multi-blade type of construction for vertical and/or horizontal installation and single section installation only.

Position	Min. Width	Max. Width	Min. Height	Max. Height
Vertical	8"	36"	8"	36"
Horizontal	8"	36"	8"	36"

**RATING:** 1-1/2 Hour

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, rating and UL label.

**APPROVAL:** Listed as fire rated dampers for use with Models SQB-12.1, SQB-21.1, SQB-72.1, MA318, MA418, ML-4105, ML-8105, ML-4105, ML-8105, 3011, 331-4821, 331-2973, NF120 or NF24 damper operators.

**NOTE:** Leakage rating not evaluated. Refer to CSFM Listing Category 3230-1417:103 for listed leakage rated dampers.

\*Rev. 12-29-2003



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued:

**JULY 13, 2004**

*Listing Expires **June 30, 2005***

Authorized By:

**DIANE K. AREND, Senior Deputy  
Program Manager**